

Wolf Liquid Propane Fuel Conversion Package

INSTALLATION INSTRUCTIONS

Package Number 806077

- For use with WOLF Cooktop Models:

CT36G/S
CT36G/P
CT30G/S
CT30G/P
CT15G/S
CT36G/S-2
CT36G/P-2
CT30G/S-2
CT30G/P-2
CT15G/S-2

⚠ WARNING

This conversion kit shall be installed by a qualified service agency in accordance with manufacturer's instructions and all applicable codes and requirements of the authority having jurisdiction. If the information in these instructions is not followed exactly, a fire, explosion or production of carbon monoxide may result causing property damage, personal injury or loss of life. The qualified service agency is responsible for the proper installation of this kit. The installation is not proper and complete until the operation of the converted appliance is checked as specified in the manufacturer's instructions supplied with this kit.

- Tools Needed for Conversion:**

7/8"(22mm) Socket and Ratchet
Small Blade Flat Head & #1
Phillips Screw Driver

Screw Driver:

7, 11, 12 mm Open Ended
Wrenches

4, 7mm Socket with Driver
Adjustable Wrench

These instructions contain procedural information to convert a Wolf Gas Cooktop from natural gas to liquid propane for above listed models. This kit contains extra components when converting all Gas Cooktops.

This conversion kit was designed to convert a natural gas cooktop to liquid propane for altitude up to 8,000'(2.4 km).

Contents of Package:

QTY	PART #	DESCRIPTION	STAMP
1	806074	O-ring, Service, Cooktop-2	
3	801319	Orifice, Jet Holder .91mm	91
3	805642	Orifice, Dist Ring .37mm	G
3	801322	Orifice, Metering Jet, .33mm	33
3	805645	Orifice, Valve Bypass .37mm	37
2	801318	Orifice, Jet Holder 1.04mm	104
2	801320	Orifice, Outer Dist. Ring .46mm	X
2	800891	Orifice, Valve Bypass Jet, .46mm	46
2	801323	Orifice, Simmer Jet, .36mm	36
1	805251	Orifice, Jet Holder, LP, 1.15mm	115
1	804125	Orifice, Simmer, LP, 15KBTU	P
1	804127	Orifice, Bypass, Main, LP, 15KBTU	60
1	804129	Orifice, Bypass, Simmer, LP, 15KBTU	39
1	803308	Rating Label, LP, CT15/30/36G	
1	806323	Rating Label, LP, Conversion-2	
1	803307	Instructions LP Conversion	

Wolf Liquid Propane Fuel Conversion Package

INSTALLATION INSTRUCTIONS

Conversion Instructions

CAUTION

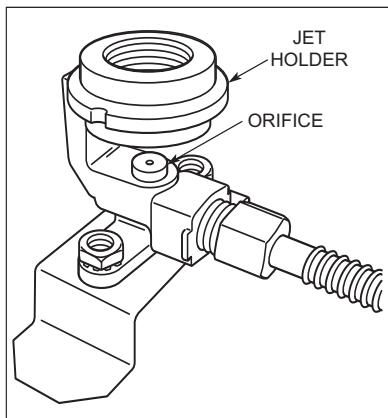
Before proceeding with the conversion, shutoff the gas supply to the appliance prior to disconnecting the electrical power.

Cooktop Pan Removal

- 1) Remove grates and burner heads.
- 2) Remove control knobs.
- 3) It may be necessary to carefully pull spark igniters out of the inner distribution rings. Do not damage or bend the electrode tip. Remove electrode wire.
- 4) Remove brass venturis with 7/8" (22) socket.
- 5) Lift off cooktop pan.

Jet Holder Orifice

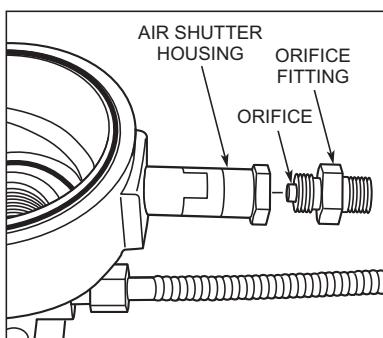
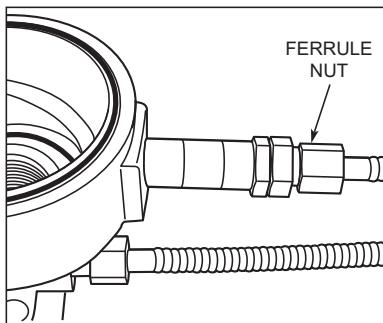
Using the 7mm socket, unscrew the orifice from each jet holder. On the large 15 K burner, replace the orifice stamped **178** with the orifice stamped **115**. On the medium 12K burner, replace the orifice stamped **161** with the orifice stamped **104**. On the small 9.2K burner, replace the orifice stamped **140** with the orifice stamped **91**.



Simmer Orifice

Using the 11mm open-ended wrench, remove the ferrule nut holding the flex tubing. Using the adjustable wrench and 12mm open-ended wrench, remove the orifice fitting from the air shutter housing. Using the 4mm socket, unscrew the orifice.

On the large 15K burner, replace the orifice stamped **S** with the orifice stamped **P**. On the medium 12K burner, replace the orifice stamped **M** with the orifice stamped **X**. On the small 9.2K burner, replace the orifice stamped **J** with the orifice stamped **G**.



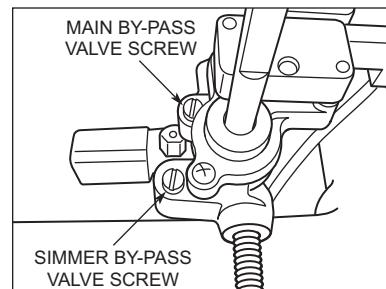
Important Note:

Do not make any adjustments to the air shutter openings.

These settings have been tested to 7,000'(2km)

Valve by-pass Screws

Using the #1 Phillips head screw driver, remove the ring light and rubber splashguard to expose the valve by-pass screws. On the large 15K burner, replace the main by-pass valve screw stamped **97** with the by-pass valve screw stamped **60**. Replace the simmer by-pass valve screw stamped **62** with the by-pass valve screw stamped **39**. On the medium 12K burner, replace the main by-pass valve screw stamped **61** with the by-pass valve **46**. Replace the simmer by-pass valve screw stamped **57** with the by-pass valve screw stamped **36**. On the small 9.2K burner, replace the main by-pass valve screw stamped **57** with the by-pass screw stamped **33**. Replace the simmer by-pass valve screw stamped **54** with the by-pass valve screw stamped **37**.



Cooktop Reassembly:

WARNING

Anytime the cooktop is disassembled, new o-rings must be installed (kit #802330). Failure to replace these o-rings could cause internal gas leak.

For ease of reassembly, remove the cooktop burner box from the counter before re-assembly.

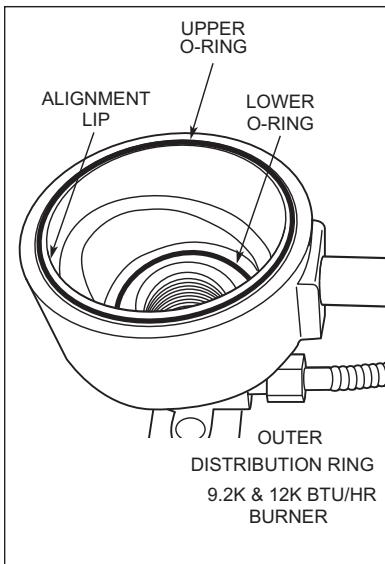
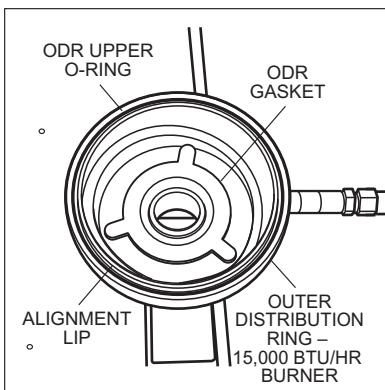
- 1) Replace the o-rings as shown for all burners. The outer distribution ring, o-ring has a thinner cross section.

Wolf Liquid Propane Fuel Conversion Package

INSTALLATION INSTRUCTIONS

⚠ WARNING

Do not use the fatter cross section o-ring at this location. It will cause a gas leak when assembled. These are special high temperature o-rings that cannot be substituted.



2.) Install the cooktop pan in place over the outer distribution rings. Make sure the correct spark electrode wires are pulled up through the appropriate burner locations.

3.) Replace the o-rings in the inner distribution rings. These o-rings have larger cross section and will have a slip fit into the inner distribution ring to hold it in place during installation.

⚠ WARNING

Do not use the thinner cross section o-ring at this location. It will cause a gas leak when assembled. These are special high temperature o-rings that cannot be substituted.

4.) Center the outer distribution rings within the openings of the cooktop pan. The alignment lip of the outer distribution ring must protrude through the cooktop pan. Applying pressure to the cooktop pan until the inner distribution ring is tightened helps ease assembly.

5.) Tighten the brass venturi inside the inner distribution ring to 100 in-lb.

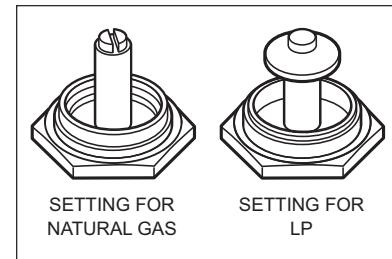
6.) If applicable, replace electrodes, burner caps and grates.

7.) If applicable, verify the electrode position. Make sure it is pushed all the way down until it is seated and captured by the alignment dimple of the inner distribution ring. The electrode tip should be facing toward the front of the unit and be at the same height as the second row of burner ports from the top of the burner head. The spark gap should be .100" from the burner head.

Gas Regulator:

Convertible Gas Regulator

Use a 23mm, or 7/8" socket or wrench to remove the regulator access cap. On the inside of the cap, remove the plastic insert (see illustration) and invert it so that the disk end is out and replace in the cap. Replace the cap into the regulator.

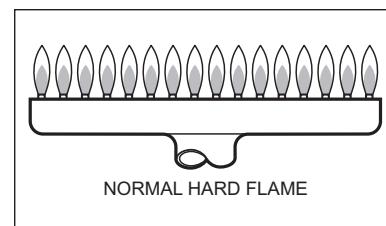


Manifold Pressure:

With the conversion complete, the manifold pressure should be 10" (254mm) of water column. The supply pressure should be from an approved LP source at minimum and maximum pressure of 11" (279mm) and 14" (356mm) of water column respectively.

Flame Characteristics:

The flame produced by the burner should be a quiet, blue flame with very little yellow tipping and exhibiting no lifting or blowing. The following illustration shows a desirable flame.



No modifications should be need to be made to the flame.

Wolf Liquid Propane Fuel Conversion Package

INSTALLATION INSTRUCTIONS

Ignition System:

If the unit is operating properly after conversion, the burners must ignite within 4 seconds of gas flowing out of the burner ports. If the flame is extinguished, the unit must automatically re-ignite within 4 seconds. When the burner is operating correctly, with a proper, hard flame, the unit must not be sparking.

Leak Testing:

With all orifices converted, use a specialized gas detection tool to detect any gas leakage into the burner box. This is done by placing the collection end of the gas detection tool in the access holes in the front lower corners of the burner box. After checking for leaks with the burners off, turn on all the burners and recheck for leaks.

Labels:

Once installation of all orifices is complete, and all the appropriate tests have been satisfied, fill out all applicable information and affix the appropriate LP cooktop rating label as close as possible to the existing rating plate.